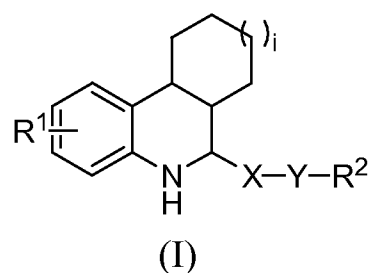


AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): A tetrahydroquinoline derivative represented by the following formula (I), or pharmacologically acceptable salts thereof:



where R¹ represents a nitro group or a cyano group;

i represents 0 or 1;

X represents an alkylene group having 1 - 5 carbon atoms which may be substituted by a substituent selected from the group consisting of an alkyl group having 1 - 6 carbon atoms and a cycloalkyl group having 3 - 7 carbon atoms;

Y represents -NR³CO-, -NR³SO₂-, -NR³CONH- or -NR³CSNH-

(wherein R³ represents a hydrogen atom, an alkyl group having 1 - 6 carbon atoms, a cycloalkyl group having 3 - 7 carbon atoms, or an aralkyl group having 7 - 9 carbon atoms); and

R² represents a phenyl group which may be substituted by 1 - 3 independent R⁴'s, or a heteroaryl group which may be substituted by 1 - 3 independent R⁴'s

[where R⁴ and R⁴ independently represent an alkyl group having 1 - 6 carbon atoms which may be substituted by a fluorine atom, a halogen atom, a nitro group, a cyano group, A-

~~R^{5A} {where A is CO, CO₂, CONR⁶, O, OCO, NR⁶, NR⁶CO, NR⁶SO₂, NR⁶CONH, NR⁶CSNH or NR⁶COO~~

R² is a phenyl group having substituent R⁴ at 4-position, or a 6-membered heteroaryl group having substituent R^{4'} at 4-position, wherein R⁴ and R^{4'} independently represent a halogen atom, -O-R^{5A}, or -NHCO-R^{5A}, wherein R^{5A} represents a hydrogen atom, or an alkyl group having 1-6 carbon atoms which may be substituted by a fluorine atom

~~(wherein R⁶ independently has the same meaning as the aforementioned R³), and R^{5A} represents a hydrogen atom, an alkyl group having 1-6 carbon atoms which may be substituted by a fluorine atom, or a cycloalkyl group having 3-7 carbon atoms}, or B-(CH₂)_n-R^{5B}₁ {wherein B represents a single bond, CO, CO₂, CONR^{6c}, O, OCO, NR^{6c}, NR^{6c}CO, NR^{6c}SO₂, NR^{6c}CONH, NR^{6c}CSNH or NR^{6c}COO~~

~~(wherein R^{6c} independently has the same meaning as the aforementioned R³), n represents an integer of 1 or 2, and R^{5B} represents an alkyl group having 1-6 carbon atoms which may be substituted by a fluorine atom, a cycloalkyl group having 3-7 carbon atoms, a halogen atom, a hydroxyl group, a cyano group, an alkoxy group having 1-5 carbon atoms, or NR⁷ⁱR⁸ⁱ₁ (wherein R⁷ⁱ and R⁸ⁱ independently have the same meaning as the aforementioned R³)}], or C≡C-R⁹₁~~

~~{wherein R⁹ represents a hydrogen atom, an alkyl group having 1-6 carbon atoms which may be substituted by a fluorine atom, a cycloalkyl group having 3-7 carbon atoms, or an aryl group which may be substituted by R¹⁰~~

~~(wherein R¹⁰ represents an alkyl group having 1-6 carbon atoms which may be substituted by a fluorine atom, or a halogen atom)}.~~

2. (currently amended): The tetrahydroquinoline ~~derivative~~ or pharmacologically acceptable salts thereof according to claim 1,

wherein ~~i is 0~~, X is ~~-C(CH₃)₂-CH₂-~~, and Y is ~~-NHCO-~~ or ~~-NHCONH-~~, and R² represents a ~~phenyl group which may be substituted by 1-3 independent R⁴ⁱs, or a heteroaryl group which may be substituted by 1-3 independent R⁴ⁱs [where R⁴ and R⁴ⁱ independently represent an alkyl group having 1-6 carbon atoms which may be substituted by a fluorine atom, a halogen atom, -A-R^{5A} {where A represents -CO-, -O-, -OCO-, -NR⁶-, -NR⁶CO- or -NR⁶CONH- (where R⁶ represents a hydrogen atom or a methyl group), and R^{5A} represents a hydrogen atom, an alkyl group having 1-6 carbon atoms which may be substituted by a fluorine atom, or a cycloalkyl group having 3-7 carbon atoms}, or -B-(CH₂)_n-R^{5B} {where B represents -CO-, -O-, -OCO-, -NR⁶ⁱ-, -NR⁶ⁱCO- or -NR⁶ⁱCONH- (where R⁶ⁱ represents a hydrogen atom or a methyl group), n represents an integer of 1 or 2, and R^{5B} represents an alkyl group having 1-6 carbon atoms which may be substituted by a fluorine atom, a cycloalkyl group having 3-7 carbon atoms, or an alkoxy group having 1-5 carbon atoms}]~~.

3. (currently amended): The tetrahydroquinoline ~~derivative~~ or pharmacologically acceptable salts thereof according to claim 1,

wherein ~~i is 0~~, X is ~~-C(CH₃)₂-CH₂-~~, and Y is ~~-NHCO-~~, and R² is a ~~phenyl group which may be substituted by 1-3 independent R⁴ⁱs, or a heteroaryl group which may be substituted by 1-3 independent R⁴ⁱs [where R⁴ and R⁴ⁱ independently represent an alkyl group having 1-6 carbon atoms which may be substituted by a fluorine atom, a halogen atom, -A-R^{5A} {where A represents -CO-, -O-, -OCO-, -NH-, -NHCO- or -NHCONH-, and R^{5A} represents a hydrogen atom, an alkyl group having 1-6 carbon atoms which may be substituted by a fluorine atom, or~~

~~a cycloalkyl group having 3–7 carbon atoms}, or $B-(CH_2)_n-R^{5B}$ {where B represents CO , O , OCO , NH , $NHCO$ or $NHCONH$, n represents an integer of 1 or 2, and R^{5B} represents an alkyl group having 1–6 carbon atoms which may be substituted by a fluorine atom, a cycloalkyl group having 3–7 carbon atoms, or an alkoxy group having 1–5 carbon atoms}}].~~

4. (canceled).

5. (currently amended): The tetrahydroquinoline ~~derivative~~ or pharmacologically acceptable salts thereof according to claim 31,

wherein R^2 is a phenyl group having substituent R^4 at 4-position, or a ~~6-membered~~ heteroaryl pyridyl group having substituent $R^{4'}$ at 4-position,

~~{where R^4 and $R^{4'}$ independently represent a halogen atom, OR^{5A} , or $NHCO-R^{5A}$ (where R^{5A} represents a hydrogen atom, or an alkyl group having 1–6 carbon atoms which may be substituted by a fluorine atom)}].~~

6. (currently amended): The tetrahydroquinoline ~~derivative~~ or pharmacologically acceptable salts thereof according to claim 35,

~~wherein R^2 is a phenyl group having substituent R^4 at 4-position, or a 6-membered heteroaryl group having substituent $R^{4'}$ at 4-position~~

~~{wherein R^4 and $R^{4'}$ independently represent $-NHCO-R^{5A}$, (where R^{5A} represents a hydrogen atom, or an alkyl group having 1–6 carbon atoms which may be substituted by a fluorine atom)}].~~

7.-8. (canceled).

9. (withdrawn- currently amended): A pharmaceutical comprising the tetrahydroquinoline ~~derivative~~ or pharmacologically acceptable salts thereof according to any one of claims 1, 2, 3, 5 and 6 ~~to 8~~ as an active ingredient.

10. (withdrawn): The pharmaceutical according to claim 9 which is an androgen receptor agonist.

11. (withdrawn): The pharmaceutical according to claim 10 which can be used in preventing or treating osteoporosis or wasting disease.

12. (withdrawn): The pharmaceutical according to claim 10 which can be used in preventing or treating a disease selected from the group consisting of male hypogonadism, male sexual dysfunction, abnormal sex differentiation, male delayed puberty, carcinoma of female genitalia, breast cancer, mastopathy, endometriosis and female sexual dysfunction.

13. (withdrawn): The pharmaceutical according to claim 10 which can be used in preventing or treating hematopoietic dysfunction and a disease related thereto.

14. (withdrawn- currently amended): A method for preventing or treating wasting disease or osteoporosis, comprising administering the tetrahydroquinoline ~~derivative~~ or pharmacologically acceptable salts thereof according to any one of claims 1, 2, 3, 5 and 6 to 8, in an amount effective for prevention or treatment of such disease, to a mammal requiring such prevention or treatment.

15. (withdrawn- currently amended): A method for preventing or treating a disease selected from the group consisting of male hypogonadism, male sexual dysfunction, abnormal sex differentiation, male delayed puberty, carcinoma of female genitalia, breast cancer, mastopathy, endometriosis and female sexual dysfunction, said method comprising administering the tetrahydroquinoline ~~derivative~~ or pharmacologically acceptable salts thereof according to any one of claims 1, 2, 3, 5 and 6 to 8, in an amount effective for prevention or treatment of such disease, to a mammal requiring such prevention or treatment.

16. (withdrawn- currently amended): A method for preventing or treating hematopoietic dysfunction and a disease related thereto, said method comprising administering the tetrahydroquinoline derivative or pharmacologically acceptable salts thereof according to any one of claims 1, 2, 3, 5 and 6 to ~~8~~, in an amount effective for prevention or treatment of such disease, to a mammal requiring such prevention or treatment.